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P. J. G. J. d.
08/11/04

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 09/842,207 Confirmation No. : 5397
Applicant : John MANSBRIDGE, et al.
Filed : April 26, 2001
TC/A.U. : 2633
Examiner : K M NEGASH
Docket No. : 3036/49909
Customer No. : 23911
Title : Demultiplexer Control System

AMENDMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

July 29, 2004

RECEIVED

AUG 03 2004

Sir:

Technology Center 2600

The following amendments and remarks are respectfully submitted in response to the Office Action dated April 29, 2004.

Amendments to the Specification begin on page 2 of this paper. (A Substitute Specification with marked up version submitted concurrently herewith).

Amendments to the Claims are reflected in the listing of claims which begins on page 3 of this paper.

Amendments to the Drawings begin on page 5 of this paper and include an annotated sheet showing the proposed changes.

Amendments to Abstract begin page 6 of this paper.

Remarks begin on page 7 of this paper.

An **Appendix** including amended drawing figures is attached following page 9 of this paper.